

### **ABSTRACT OF THE DISCLOSURE**

In a device and method for examining the function, in particular the responsiveness, of blood vessels in a patient by creating a vascular constriction or dilation, the body part to be examined is heated or cooled in a controlled manner with an arrangement for local heating or cooling, and the blood or body-fluid flow through vessels that are dilated or constricted is measured dependent on the heating or cooling in this part of the body.

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